

# ABSTRACT

A transmission route applicability inspection system inspecting the applicability of a transmission route at high speed is disclosed. The inspection system includes  
5 a test signal transmission unit transmitting an optical test signal from one end of the route along the route; a test signal reception unit receiving the test signal transmitted along the route on the other end of the route; a parameter extraction unit obtaining a transmission  
10 parameter representing a transmission characteristic of the test signal received in the test signal reception unit; and a route applicability inspection unit inspecting the applicability of the transmission route based on the transmission parameter extracted in the parameter  
15 extraction unit.